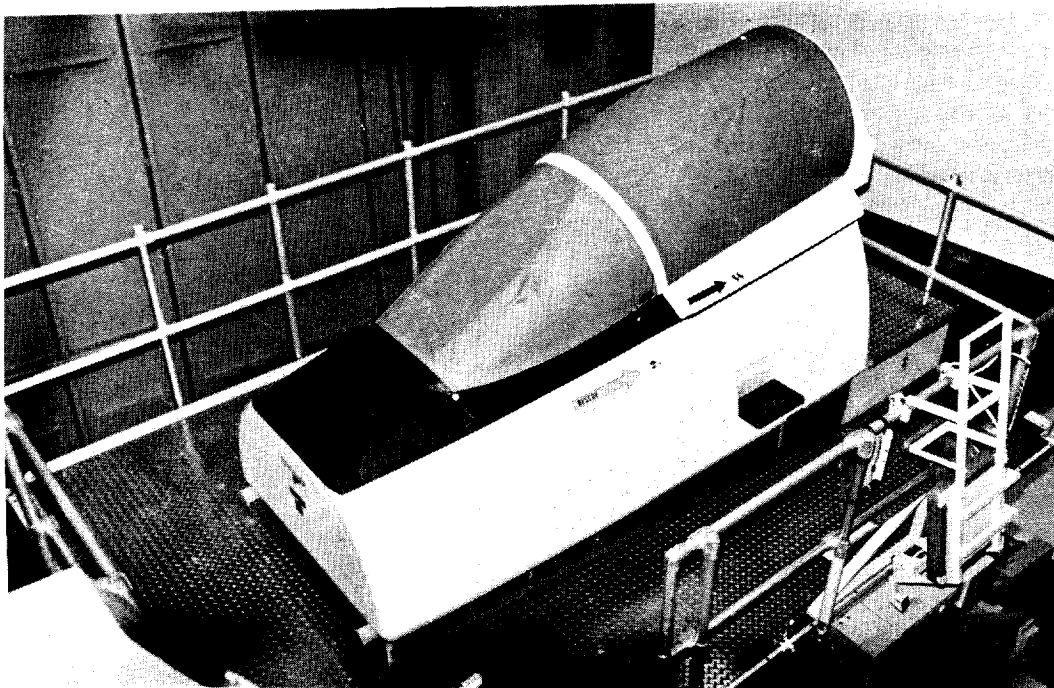


DIRECTORY OF NAVAL TRAINING DEVICES

**F-14A AIRCRAFT OPERATIONAL FLIGHT TRAINER, DEVICE 2F95****TRAINING CATEGORY:**

AVIATION (Operational Flight/Weapon System)

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION:

Device 2F95 is confidential.

INTENDED USE:

The device is used to provide the teaching of pilot skills, knowledge and procedures of the F-14A aircraft.

FUNCTIONAL DESCRIPTION:

Device 2F95 provides familiarization training and intensive training in operational procedures, flight systems malfunctions, navigation, communications, and mission operations. The cockpit environment will include all the flight in-

struments of the F-14A including the V/DIG (Vertical Display Indicator Group) and Data-Link System for comprehensive pilot training. The aircraft motion system provides the pilot trainee with proper and accurate proprioceptive motion cues (stimuli).

Activation of the AWG-9 system controls and displays at the pilot station are accomplished by interconnecting the OFT to the Device 15C9, Missile Control Officer Trainer (MCOT). The interconnection provides for mission simulation and communications between the MCO and pilot trainees. It is possible to operate the OFT independently for separate pilot training or interconnected to one of the MCOTs for mission training. When in the independent mode, the OFT does not receive or display Phoenix and tactics signals generated in the Device 15C9.

The instructor station consists of an operator console designed with the controls and displays necessary for the instructor to control the training problem and monitor all the student pilots actions and reactions.

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A general purpose digital computer of the SDS Sigma series and compatible with the MCOT computer, is the heart of the OFT. During mission training, the OFT computer provides aircraft position and flight information to the MCOT computer, and provides inputs to aircraft instruments and displays in the MCOT.

CONTRACT IDENTIFICATION:

Manufactured by Grumman Aerospace Corp., Bethpage, Long Island, NY under NAVTRASYSCEN Contract No. N00019-69-C-0422.

LOCAL STOCK NUMBER:

6930-LL-C00-2108